

Mist Elimination Division

Impingement Separators

For Landfill Operations



A Full Line of Mist Elimination Products

Munters ME Division, the specialists in removing liquid from gas or steam streams, offers a full line of mist elimination products for use in removing condensate and leachate.

Munters' family of mist elimination products has been engineered to provide the highest levels of operational efficiency in a variety of horizontal and vertical flow landfill applications. The ideal geometries of Munters' T-100, TS-5 and T-271™ mist eliminators deliver exceptional liquid droplet removal, and are available in highly durable, clog-resistant, easy-to-install, easy-to-clean modules and profile packs. In many cases, routine cleaning can be performed while the system is still in operation. From landfill gas recovery systems to controlling carryover in leachate evaporation units.

PRODUCT INFORMATION

Target Applications in Gas Systems and Flares

- Gas Recovery
- Gas Liquid Separation
- Gas Collection
- Gas Treatment
- Leachate Evaporation

Benefits

- Protect blowers from liquid droplet carryover
- Control escape of pollutants within steam exhaust
- Gas scrubbing and dehydration



Munters

The Humidity Expert



A custom built TS-5 module, ready to be installed.

TS-5 Features

A high efficiency, metallic impingement separator for horizontal flow applications.

■ **Durability:** The standard material for Munters' TS-5, high-efficiency mist eliminator is 316L stainless steel. Special materials (e.g. nickel, Monel, etc.) are available upon request.

Housings and vessels can be made of stainless or carbon steel, and various alloys.

■ **Versatility:** TS-5 is available in a variety of configurations, including easy-to-install, factory built modules to meet the specialized needs of your application.

■ **Cross Flow Drainage:** Collected liquid drains at 90° to the gas flow, to minimize reentrainment and allow higher operating velocities.

■ **Low Drag Coefficients:** TS-5 functions with greater overall efficiency at higher velocities, without excessive pressure drop.



Aerodynamically engineered T-100 profiles provide exceptional droplet removal.

T-100 Features

The non-metallic impingement separator by Munters for horizontal flow applications.

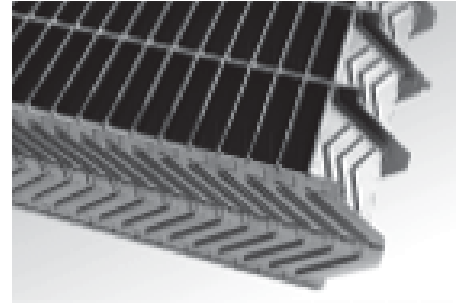
■ **Durability:** Manufactured in a variety of thermoplastics, including polypropylene, Noryl®, and Polysulfone, as well as standard and marine-grade aluminum, there is a T-100 profile that can stand up to the toughest landfill application conditions.

■ **Versatility:** The T-100 mist eliminator is available in custom built, easy to install modules, or as profile packs that can be easily incorporated into existing structures or vessels.

■ **Cross Flow Drainage:** Like Munters' TS-5 mist eliminator, collected liquid drains at 90° to the gas flow, minimizing reentrainment and allowing systems to operate efficiently at higher velocities.

■ **Low Drag Coefficients:** T-100 functions with greater overall efficiency at higher velocities, without excessive pressure drop.

■ **Easy Upgrade:** Replaces many original equipment mist eliminators easily.



T-271™ is the mist eliminator of choice for all vertical flow, landfill applications.

T-271™ Features

Munters' impingement separator for vertical gas stream applications.

■ **Durability:** Available in a variety of materials, including a selection of thermoplastics and metal alloys.

■ **Superior Drainage:** Opposing angle chevron collection grooves on the profile surface provide a low velocity zone where droplets accumulate and drain to the edges of the profile subsection.

Liquids then drain from the modules as large droplets or a liquid stream without the risk of being carried back into the separator by the upflowing gas stream.

■ **Low Pressure Drop**

■ **Wide Velocity Range**

T-271 Is a Trademark of Munters Corporation
ISO 9001 Certified



Munters Corporation

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The Humidity Expert